

IN THE  
UNITED STATES PATENT AND TRADEMARK OFFICE

Inventor(s): Randy Hoffman

Confirmation No.: 8192

Application No.: 10/799325

Examiner: Thien Tran

Filing Date: Mar 12, 2004

Group Art Unit: 2811

Title: Semiconductor Device

Mail Stop  
Commissioner for Patents  
PO Box 1450  
Alexandria, VA 22313-1450

TRANSMITTAL LETTER FOR RESPONSE/AMENDMENT

Sir:

Transmitted herewith is/are the following in the above-identified application:

- ( ) Response/Amendment ( ) Petition to extend time to respond  
( ) New fee as calculated below ( ) Supplemental Declaration  
(X) No additional fee  
(X) Other: Response to Restriction Requirement (fee \$           )

CLAIMS AS AMENDED BY OTHER THAN A SMALL ENTITY						
(1) FOR	(2) CLAIMS REMAINING AFTER AMENDMENT	(3) NUMBER EXTRA	(4) HIGHEST NUMBER PREVIOUSLY PAID FOR	(5) PRESENT EXTRA	(6) RATE	(7) ADDITIONAL FEES
TOTAL CLAIMS		MINUS		= 0	X \$50	\$ 0
INDEP. CLAIMS		MINUS		= 0	X \$200	\$ 0
[ ] FIRST PRESENTATION OF A MULTIPLE DEPENDENT CLAIM					+ \$360	\$ 0
EXTENSION FEE	1ST MONTH \$120.00	2ND MONTH \$450.00	3RD MONTH \$1020.00	4TH MONTH \$1590.00		\$ 0
OTHER FEES						\$
TOTAL ADDITIONAL FEE FOR THIS AMENDMENT						\$ 0

Charge \$ 0 to Deposit Account 08-2025. At any time during the pendency of this application, please charge any fees required or credit any overpayment to Deposit Account 08-2025 pursuant to 37 CFR 1.25. Additionally please charge any fees to Deposit Account 08-2025 under 37 CFR 1.16 through 1.21 inclusive, and any other sections in Title 37 of the Code of Federal Regulations that may regulate fees. A duplicate copy of this sheet is enclosed.

I hereby certify that this correspondence is being deposited with the United States Postal Service as first class mail in an envelope addressed to: Commissioner for Patents, Alexandria, VA 22313-1450.

Respectfully submitted,

Randy Hoffman

By Donald J. Coulman  
Donald J. Coulman

Attorney/Agent for Applicant(s)  
Reg. No. 50, 406

Date: July 27, 2005

Date of Deposit: July 27, 2005

Typed Name: Donald J. Coulman

Signature: Donald J. Coulman

HEWLETT-PACKARD COMPANY  
Legal Department, IPA Section, ms: 35  
P O BOX 272400  
3404 East Harmony Road  
Fort Collins, CO 80528-9599

PATENT APPLICATION

Attorney Docket No: 200315134-1



**IN THE  
UNITED STATES PATENT AND TRADEMARK OFFICE**

<b>Inventors:</b>	<b>Randy L. Hoffman</b>	<b>Examiner:</b>	<b>Thien Tran</b>
<b>Application No:</b>	<b>10/799,325</b>	<b>Group Art Unit:</b>	<b>2811</b>
<b>Filing Date:</b>	<b>03/12/2004</b>	<b>Confirmation No:</b>	<b>8192</b>
<b>Title: SEMICONDUCTOR DEVICE</b>			

**COMMISSIONER FOR PATENTS**  
**PO Box 1450**  
**Alexandria, VA 22313-1450**

**RESPONSE TO RESTRICTION REQUIREMENT**

Dear Sir:

In response to Examiner's Office Communication dated June 27, 2005 Applicant responds as follows:

Examiner previously identified three distinct inventions:

- I. Claims 1-14, 28-30, and 34-40 drawn to a semiconductor device, classified in class 257, subclass 411;
- II. Claims 15-27 drawn to process for making semiconductor devices, classified in class 438, subclass 22+; and
- III Claims 31-33 drawn to process for using semiconductor devices, classified in class 365, subclass 185.3+

Applicant elected Group I, Claims 1-14, 28-30, and 34-40 in class 257, subclass 411 without traverse.

Examiner, in this response, further restricts this application identifying 3 patentably distinct species:

Species 1 drawn to gallium oxide including a single-phase crystalline form of  $\text{Ga}_2\text{O}_3$ ;

Species 2 drawn to gallium oxide including a mixed-phase crystalline form from the group  $\text{GaO}$ ,  $\text{Ga}_2\text{O}$ ,  $\text{Ga}_2\text{O}_3$ , and mixtures thereof; and

HEWLETT-PACKARD COMPANY  
Legal Department, IPA Section, ms: 35  
P O BOX 272400  
3404 East Harmony Road  
Fort Collins, CO 80528-9599

PATENT APPLICATION

Attorney Docket No: 200315134-1


Species 3 drawn to gallium oxide including an amorphous form from the group GaO, Ga<sub>2</sub>O, Ga<sub>2</sub>O<sub>3</sub>, and mixtures thereof.

Applicant hereby elects Species 1 drawn to gallium oxide including a single-phase crystalline form of Ga<sub>2</sub>O<sub>3</sub> without traverse.

Applicant notes that as provided by 37 C.F.R 1.141, Applicant will be entitled to consideration of claims to additional species upon allowance of a generic claim. Currently, Examiner has identified claims 1, 9, 28, and 34 as generic.

Hewlett-Packard Company  
1000 NE Circle Blvd. m/s 422B  
Corvallis, OR 97330  
(541) 715-1694

Respectfully submitted,  
Randy L. Hoffman

By:   
Donald J. Coulman  
Reg. No. 50,406  
Attorney for Applicant

Date 7/27/05